

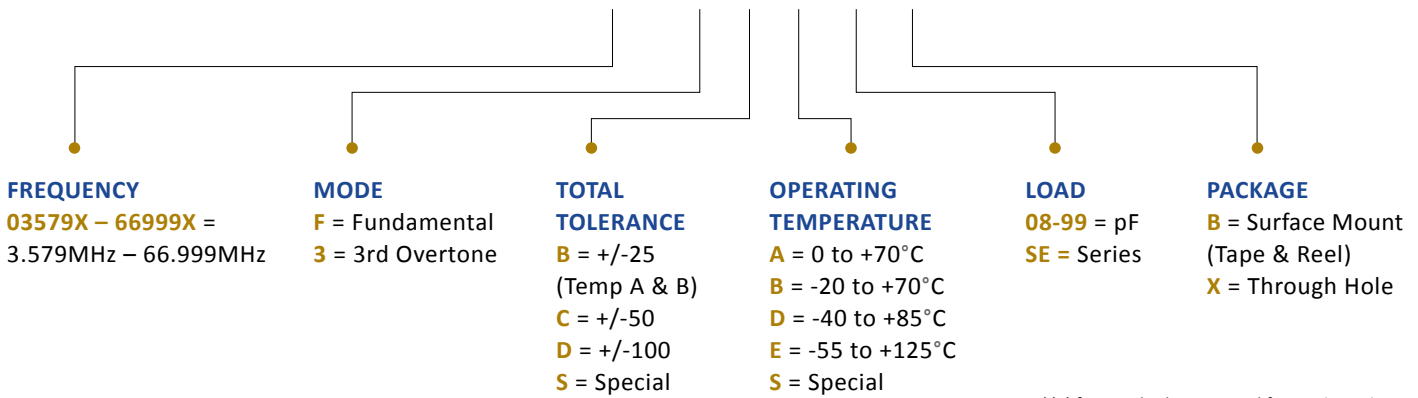
L3-Series Specifications



SMD –11.40L x 4.70W x 3.98H (mm)
Through Hole –11.05L x 4.65W x 3.00H (mm)

PDI L3-Series is a hermetically sealed quartz crystal in resistance-welded SMD and through hole packages. This crystal, designed to meet your most demanding specification, is available in standard or custom frequencies and/or with customized parameters. PDI provides quick-turn sampling for your proto-typing needs, mass production capability, and competitive pricing.

ex) **L3–25000X–F–C–D–08–B–X***



*(X) for standard or assigned for customization.

Frequency Range – MHz	Operating Mode	(CL)-Load Capacitance	ESR Ω (Max)	(C0)-Shunt Capacitance pF (Max)	Drive Level uW (Typ)	Insulation Resistance
3.579545 to 3.999999	Fundamental	8.0 pF to Series	200	7.0	100.0	500 MΩ Minimum at 100 Vdc
4.000000 to 4.999999			150			
5.000000 to 5.999999			120			
6.000000 to 9.999999			100			
10.000000 to 13.999999			80			
14.000000 to 39.999999			50			
40.000000 to 66.999999	3rd Overtone		80			
Parameter	Conditions	Min	Typ	Max	Unit	
Storage Temperature		-55		+125	°C	
Aging	Per Year (±5.0 ppm First Year)	-3.0		+3.0	ppm	



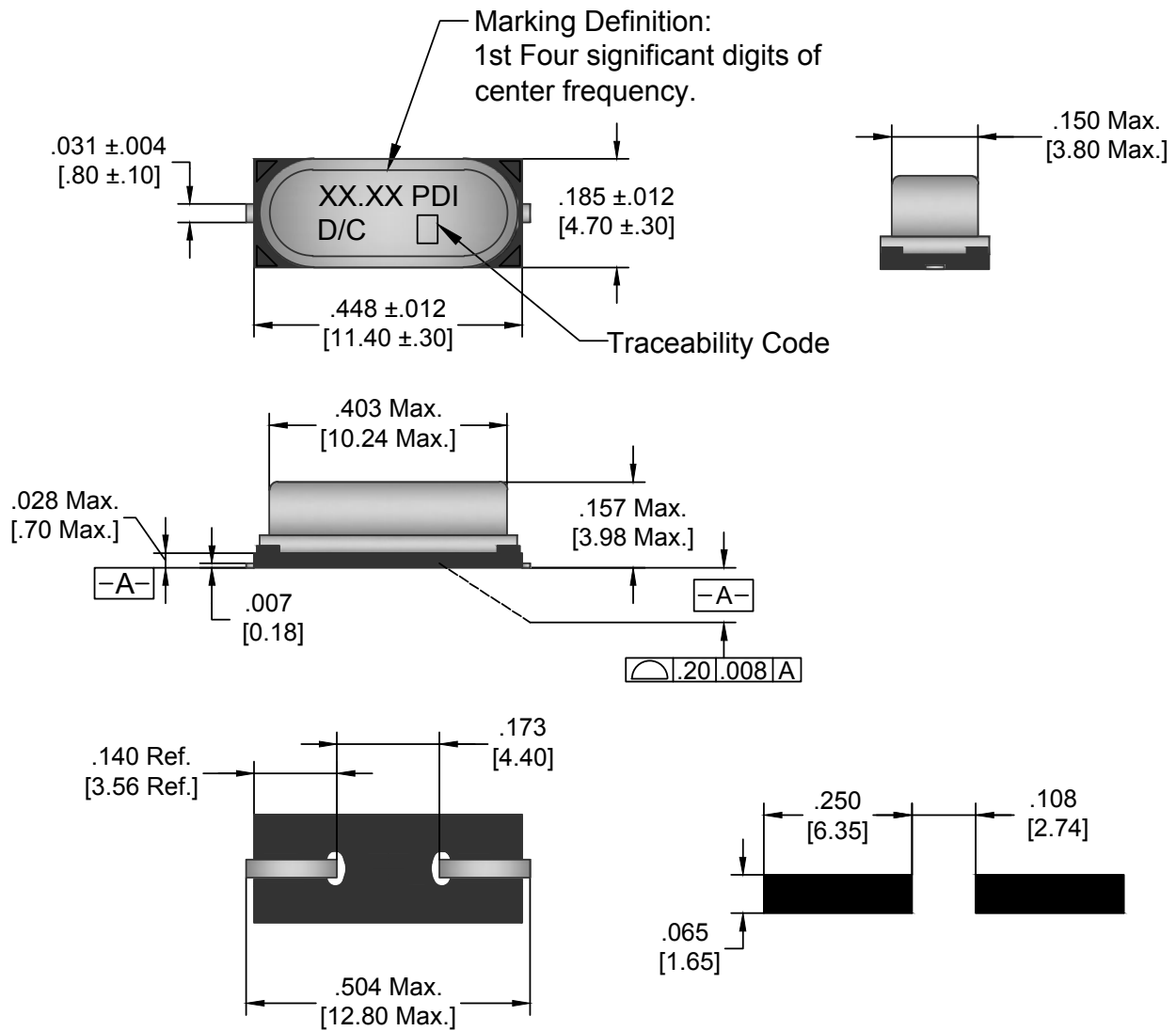
Mechanical Shock: MIL-STD-202 Method 213, Condition C
Vibration: MIL-STD-202, Method 201, 204, and 214
Hermeticity: MIL-STD-202, Method 112
Solderability: IPC/EIA-STD-002A

NOTES:
 Other options are available, please consult factory.
 All product is supplied RoHS and REACH compliant.
 Product can be supplied on Tape and Reel, on reels of 1,000 units.
 Not all Frequency/Temperature combinations are available.
 Specifications subject to change without notice, last updated 4/1/13.

L3-Series 11.40 x 4.70 x 3.98 (mm)

SURFACE MOUNT

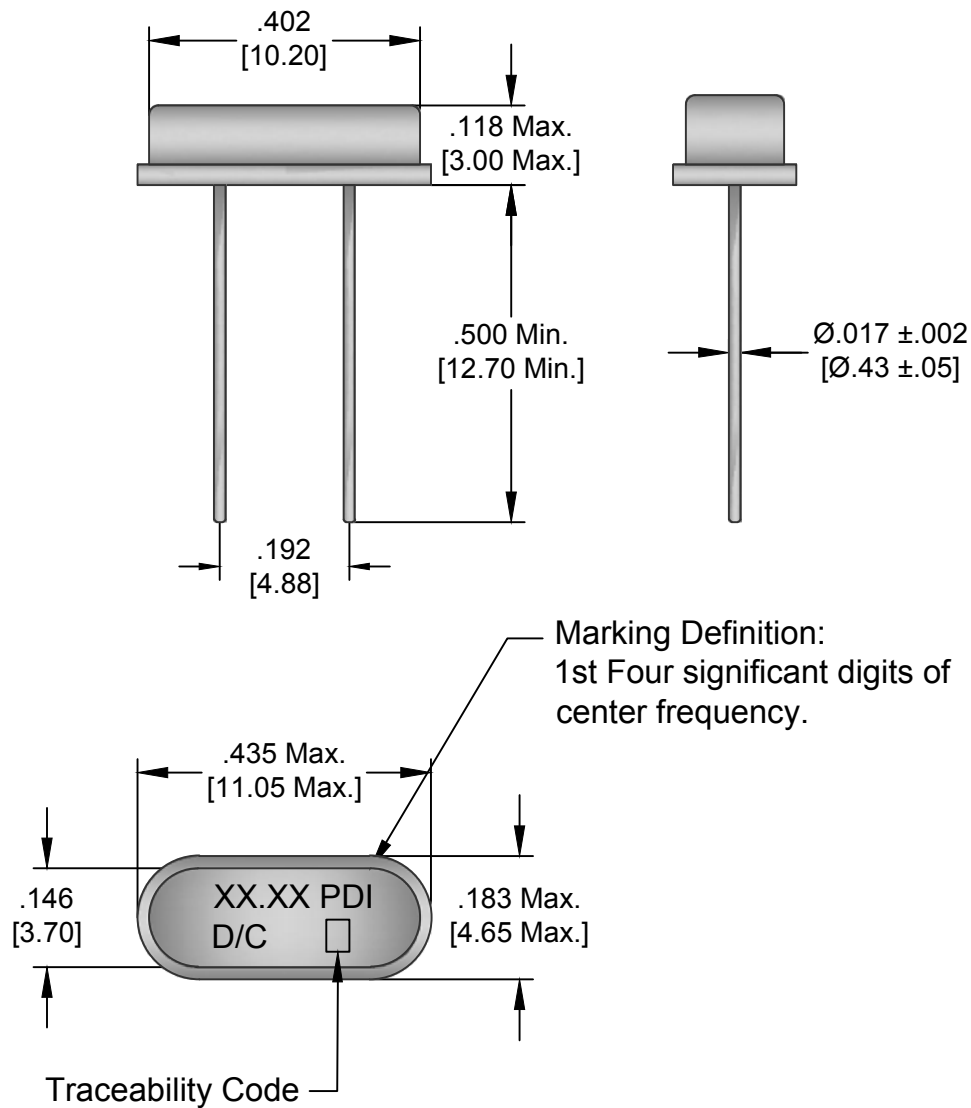
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L3-Series 11.50 x 4.65 x 3.00 (mm)

THROUGH-HOLE

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L3-Series 11.40 x 4.70 x 3.98 (mm)

1. Material: Black Conductive Polystyrene or equivalent.
2. 10 Sprocket Hole pitch cumulative tolerance of ± 0.008
3. Camber in compliance with EIA 481
4. Empty pockets: Trailing end (Minimum) 200 mm. and Leading end (Minimum) 400 mm.
5. Pocket position relative to sprocket hole measured as true position of pocket, not pocket hole.

